MIPRO®

MI-909R Digital Stereo Bodypack Receiver

User Guide

MIPRO®
MICROPHONE PROFESSIONALS

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2CE496B

FCC

THIS DEVICE COMPLIES WITH PART 74 AND PART 15 SUBPART B OF THE FCC RULES OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause

undesired operation of the device.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

IC

This device complies with Industry Canada licence-exempt RSS-123 ISSUE 2 / RSS-310 ISSUE 3 standards. Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage

radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Disposal

Dispose of any unusable devices or batteries responsibly and in accordance with any applicable regulations.

Disposing of used batteries with domestic waste is to be avoided!

Batteries / NiCad cells often contain heavy metals such as cadmium(Cd), mercury(Hg) and lead(Pb) that makes them unsuitable for disposal with domestic waste. You may return spent batteries/ accumulators free of charge to recycling centres or anywhere else batteries/accumulators are sold.

By doing so, you contribute to the conservation of our environment!

Digital Stereo Bodypack Receiver

I. Part Names, Fig. 1

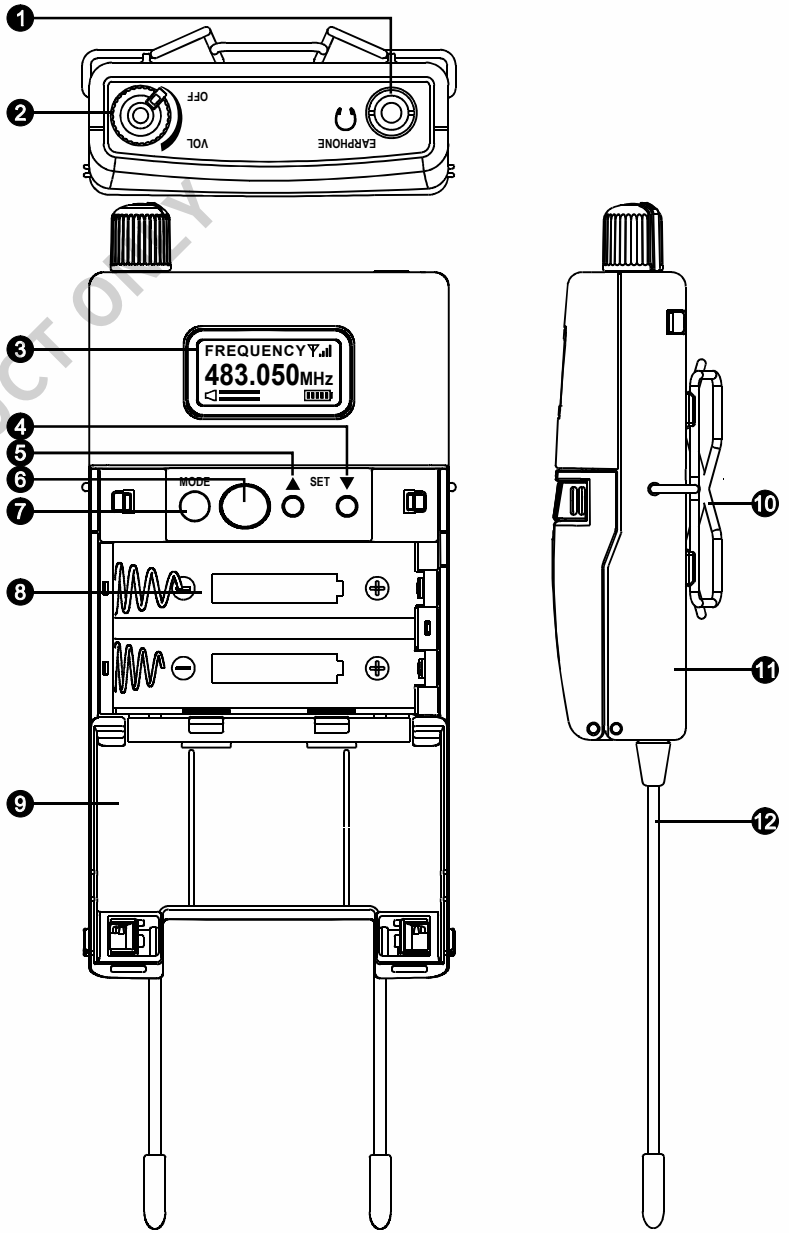


Fig. 1

❶ 3.5 Ø Stereo Earphone Jack.

❷ Power Switch and Volume Control.

❸ LCD Screen.

❹ SET ▼ Button: To decrease settings.

❺ SET▲ Button: To increase settings.

❻ ACT Sync Window.

❼ MODE Button.

❽ Battery Compartment.

❾ Battery Compartment Cover.

❿ Belt Clip, Fig. 2.

⓫ Housing.

⓬ A/B Antenna.

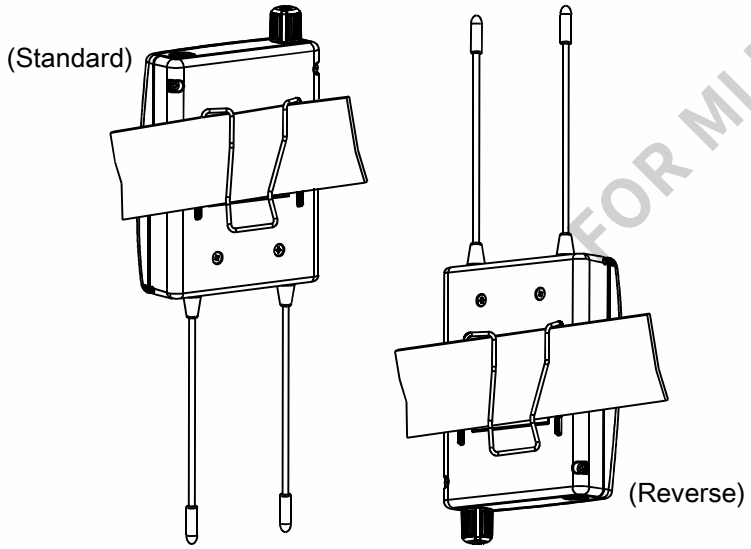


Fig. 2

II. Operating Instructions

1. Battery Requirement:

MI-909R requires 2 AA alkaline batteries or higher capacity AA NiMH Rechargeable battery. Stand-by hours for alkaline batteries are over 6 hours. Unit automatically shuts down and turns off with a display warning “OFF” when low voltage reaches approximately 1.8V to protect batteries from leakage or damage.

2. Battery Insertion, Fig. 3:

(A) Open by pressing the latches on both sides of the battery compartment cover ❾ and pulling.

(B) Insert the batteries according to its correct polarity.

(C) Notes: Be sure to power off when the receiver is not used. Remove the batteries when is not used for a long time.

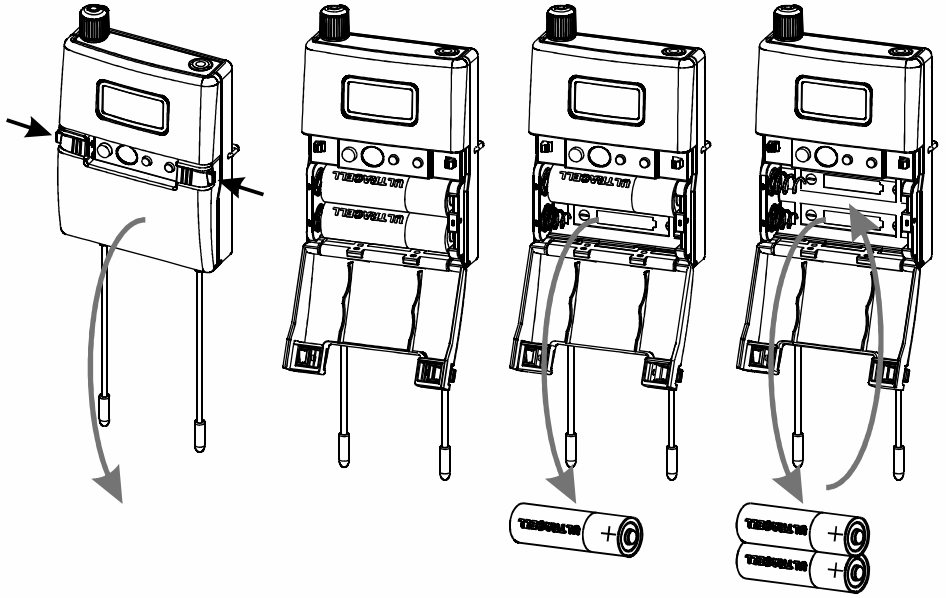


Fig. 3

3. Earphones Insertion:

(A) Insert any 3.5 Ø stereo earphones here ❶ or connect to the audio input of other audio equipment, Fig. 4.

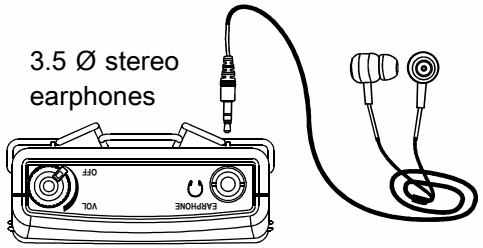


Fig. 4

(B) Warning: Avoiding Hearing Damage –

Permanent noise-induced hearing damage or loss may occur on prolonged exposure to loud sounds wearing earphone or headphone.

(C) Minimize the volume level before the headphone is inserted.

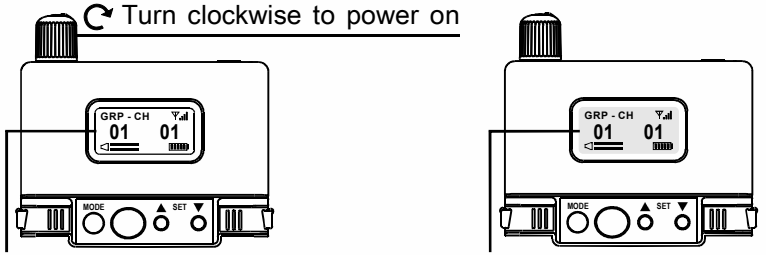
4. Power & Volume Control:

(A) Turn the volume control ❷ clockwise to power on and the backlit light will be lightened. Current channel and battery status will be displayed after powered on. The backlit light will dim automatically after 5 seconds.

(B) Slowly turn up the volume to a comfortable, safe listening sound level. Turn the volume control counterclockwise to lower the volume and turn to the end to power off. OFF…indicator will display temporarily when the device is turned off.

(C) Caution: Device will not power on with insufficient battery power.

(D) Power On, Fig. 5:



Backlit LCD lightens and displays current channel

Backlit LCD dims to conserve battery life

Fig. 5

(E) Power Off, Fig. 6:

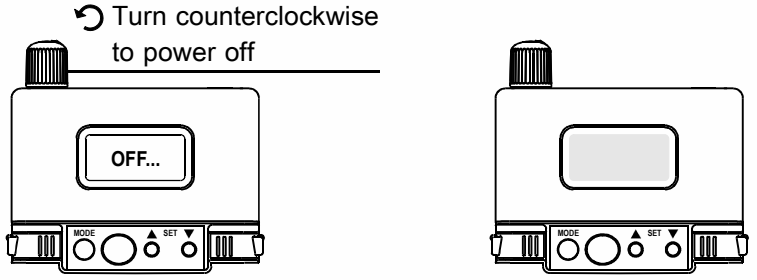


Fig. 6

III. LCD Screen Display

1. LCD Screen Display, Fig. 7:

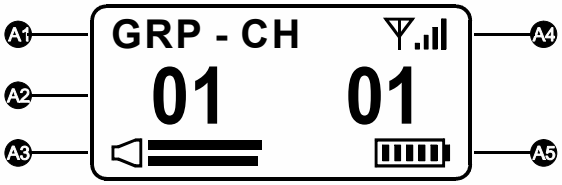


Fig. 7

- A1 GRP (Group); CH (Channel).
- A2 Numeric Group & Channel.
- A3 Audio Indicator: Top bar is left channel. Bottom bar is right channel.
- A4 Antenna Signal Indicator.
- A5 Battery Indicator.

2. MODE Setting: 6 mode settings:

(A) Press the MODE button to select one of the six selections, Fig. 8.

(B) Backlight dims in 5 seconds in each mode.

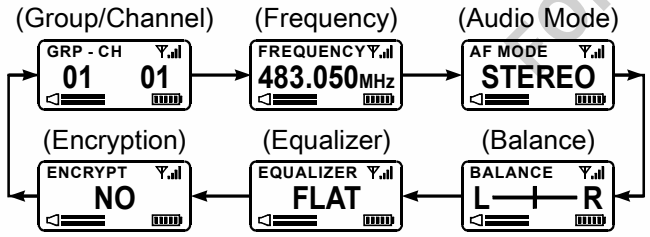


Fig. 8

3. SET ▲ or SET ▼ Button: Use to change parameters

(A) When SET ▲ or SET ▼ button is pressed, the parameter blinks, then press SET ▲ or SET ▼ button to change the parameter. 5 seconds later or MODE button is pressed, blinking stops and the setting is automatically saved, Fig. 9.

(B) SET▲ button: Press & release to increase.

(C) SET▼ button: Press & release to decrease.

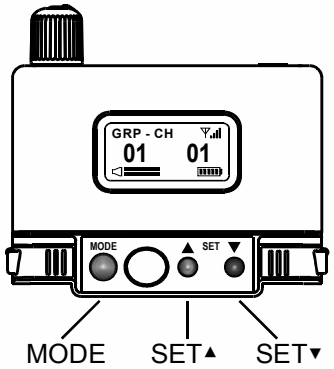


Fig. 9

4. GROUP / CHANNEL Mode, Fig 10:

(A) When SET ▲ or SET ▼ button is pressed, the current parameter blinks to denote it is ready to accept change.

(B) Press and release SET ▲ or SET ▼ button to change setting of GRP or CH. 5 seconds later or MODE button is pressed, blinking stops and the setting is automatically saved.

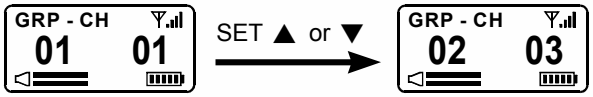


Fig. 10

5. FREQUENCY Mode, Fig. 11:

(A) When SET ▲ or SET ▼ button is pressed, the current parameter blinks to denote it is ready to accept change.

(B) Press and release SET ▲ or SET ▼ button to change setting of FREQUENCY. 5 seconds later or MODE button is pressed, blinking stops and the setting is automatically saved.

(C) Frequency selection: adjustable in increments of 1 MHz or 25 kHz.

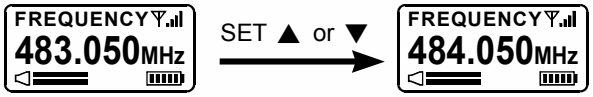


Fig. 11

6. AF MODE, Fig. 12:

(A) When SET ▲ or SET ▼ button is pressed, the current parameter blinks to denote it is ready to accept change.

(B) Press and release SET ▲ or SET ▼ button to change setting of AF MODE. 5 seconds later or MODE button is pressed, blinking stops and the setting is automatically saved.

(C) AF MODE Settings:

(1) STEREO: Stereo Output.

(2) MONO-L: Mono Left Channel Output.

(3) MONO-R: Mono Right Channel Output.

(4) MIXED: Mixed Left Right Channel Output.

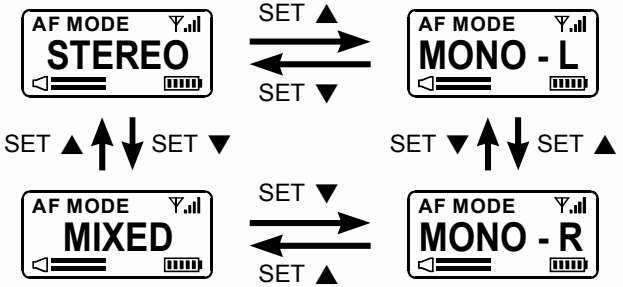


Fig. 12

7. BALANCE Mode, Fig. 13:

(A) When SET ▲ or SET ▼ button is pressed, the current indicator blinks to denote it is ready to accept change.

(B) Press and release SET ▲ or SET ▼ button to move the indicator of BALANCE to L (left) or R (right). 5 seconds later or MODE button is pressed, blinking stops and the setting is automatically saved.

(C) When indicator moves to the left towards (L) this indicates right channel audio decreases. When indicator moves to the right towards (R) this indicate left channel audio decreases.

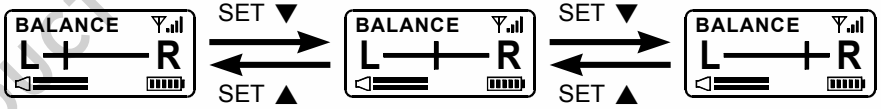


Fig. 13

8. EQUALIZER Mode, Fig. 14:

(A) When SET ▲ or SET ▼ button is pressed, the current parameter blinks to denote it is ready to accept change.

(B) Press and release SET ▲ or SET ▼ button to change setting of EQUALIZER .5 seconds later or MODE button is pressed, blinking stops and the setting is automatically saved.

(C) EQUALIZER Settings:

(1) FLAT: Flat Response.

(2) LO-CUT: Low Frequency Cut.

(3) HI-BST: High Frequency Boost.

(4) LC&HB: Low Cut & High Boost.

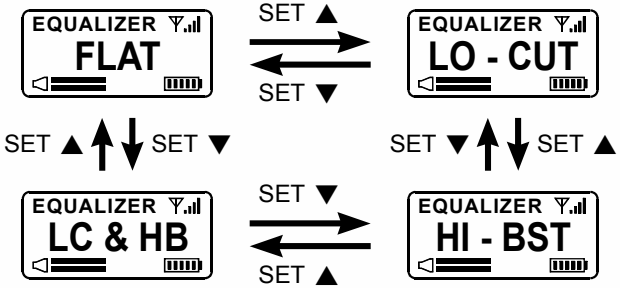


Fig. 14

9. ENCRYPTION Mode, Fig. 15:

(A) Encryption mode cannot be set via SET▲ or SET▼ button. The encryption key is setup at the transmitter and setting transfer to the bodypack receiver during synchronization (ACT sync).

(B) ENCRYPT mode:

(1) YES denotes the receiver is encrypted.

(2) NO denotes the receiver is not encrypted.

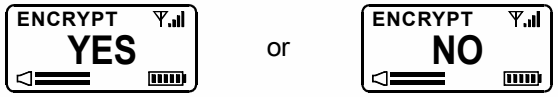


Fig. 15

10. Battery Indicator, Fig. 16:

Replace and install fresh/new batteries when battery indicator shows one bar (20%) or zero (10%) remaining. Unit automatically shuts down and turns off during very low voltage to protect batteries from leakage or damage.

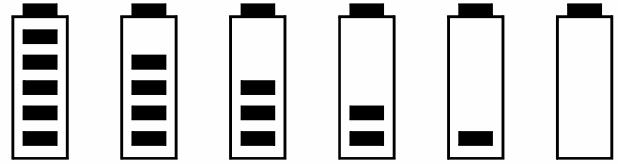


Fig. 16

11. Error Codes:

(A) ERROR1 → RF frequency lock circuit fault.

(B) ERROR3 → During ACT sync ~ the frequency bands between transmitter and receiver are different and not compatible. Press the MODE button or reset by power off.

(C) ERROR4 → During ACT sync ~ the frequency bands between transmitter and receiver are different and not compatible. Press the MODE button or reset by power off.

IV. Cautions

1. Avoid using the same frequency bands when MIPRO IEM and wireless microphone systems are utilized at the same installation.
2. Using different impedance earphones, different battery types, high monitoring volume, cold/high temperature and higher gain settings may cause the receiver battery life to be different than specified. Earphones with sensitivity over 110dB/mW are recommended.
3. Remove the batteries when is not used for a long time and to prevent damaging to the electronics due to battery leak.

V. Notes

1. Refer to actual product in the event of product discrepancy.
2. Frequency range and maximum deviation comply with the regulations of different countries.